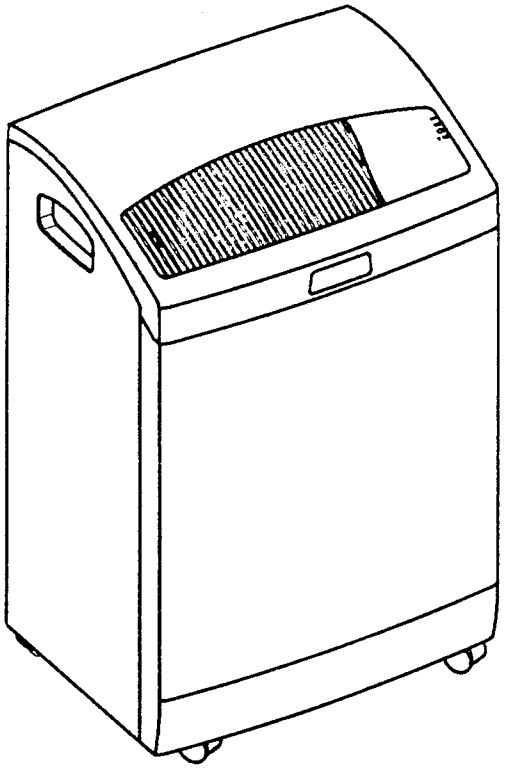
English

PORTABLE AIR CONDITIONER

EPM-800, EPT-800



INSTALLATION AND OPERATING INSTRUCTIONS

☐ INTRODUCTION

This portable air conditioner is designed for versatile applications:

- Cooling air in the summer.
- Improving cooling effect by dehumidifying the air at high humidity conditions.
- Heating
- Dehumidifying damp environments (basements, laundry rooms etc.) by using most of its energy to remove moisture from the room's space.

PLEASE READ THESE INSTRUCTIONS BEFORE OPERATING THE AIR CONDITIONER

WARNING

- This air conditioner must be grounded to protect against electrical shock.
- Do not expose the unit to rain.

ATTENTION

In using this air conditioner for the first time, please do the following:

1. Read the instruction manual and familiarize yourself with the controls.
2. Plug the electric cord into a power socket.
3. Check that all control functions operate properly.

☐ TECHNICAL SPECIFICATIONS

Cooling capacity(1)	W-Btu/hr	2100-7200
Heating capacity	W	1500
Power consumption, cooling	W	850
Power consumption, heating	W	1550
Power consumption, "dry"	W	1550
Dehumidification in "cooling"	l/hr	1.0
Dehumidification in "dry" (II)	l/hr	1.4
Air delivery	m3/hr-cfm	340-200
Indoor fan speeds		2
Flexible discharge hose length	mm	1100
Electrical supply	V/Ph/Hz	220-240/1/50
Fuse rating	amp	10(delayed action)
Dimensions (HxWxD)	mm	800x470x340
Weight	Kg.	46

(I) Capacity based on test conditions of:
Indoor: 27°C/80°F DB - 19°C/67°F WB

(II) At entering air of 30°C/86°F and 80% RH

Actual cooling capacity might vary according to local environmental conditions.
Optimal operating temperatures:
Indoor: 15-36°C/59-97°F.

FEATURES

- On-Unit operation controls
- Indicator control lights
- Warning light
- Thermostat
- Modes:
  Fan: High/Low
  Cooling: High/Low
  Heating: High/Low
  Dry: (Dehumidifying)
- Timer (Optional)
- Built-in condensate water overflow protection

☐ DESCRIPTION

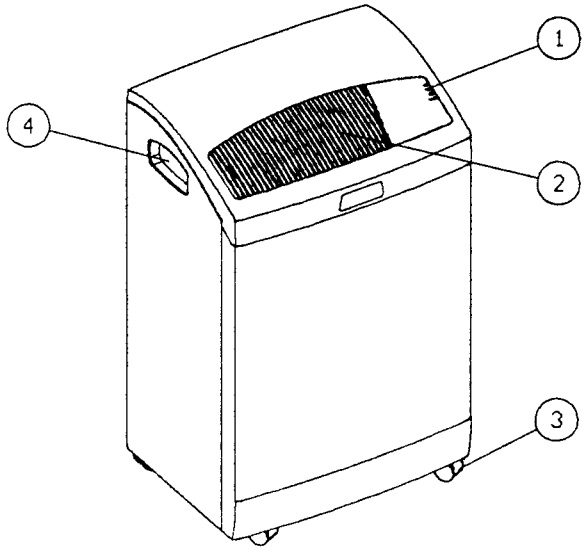


Figure 1

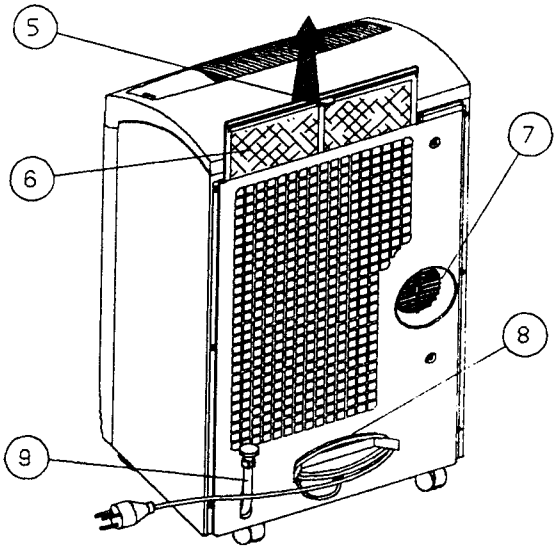


Figure 2

1. Indicator panel
2. Adjustable supply air grille
3. Castors
4. Carrying handle
5. Air filter handle
6. Filter
7. Exhaust hose connection
8. Power cord
9. Drain tube with plug

☐ ACCESSORIES

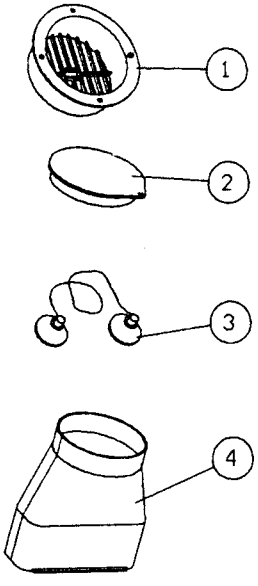


Figure 3

1. Wall or window hose sleeve
2. Sleeve cover
3. Suction pads
4. Window nozzle

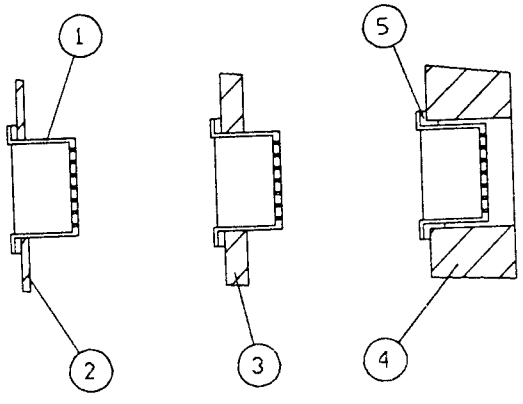
☐ INSTALLATION FOR COOLING

FIXED INSTALLATION (see fig. 4, fig 5.)

For fixed installation, a sleeve (1. Fig. 3) should be installed through the wall, partition or window (Fig. 4). The opening may be located in any convenient spot, providing it is within reach of the exhaust hose.

Prepare an outlet hole 110 mm in diameter. Apply a waterproof sealant to the sleeve flange and install it in the opening. Insert the exhaust hose end into the fixed sleeve, make sure the connection is airtight (See Fig. 5).

WARNING: Make sure the unit is level



1. Sleeve
2. Window installation
3. Partition installation
4. Wall installation
5. Waterproof sealant

Figure 4

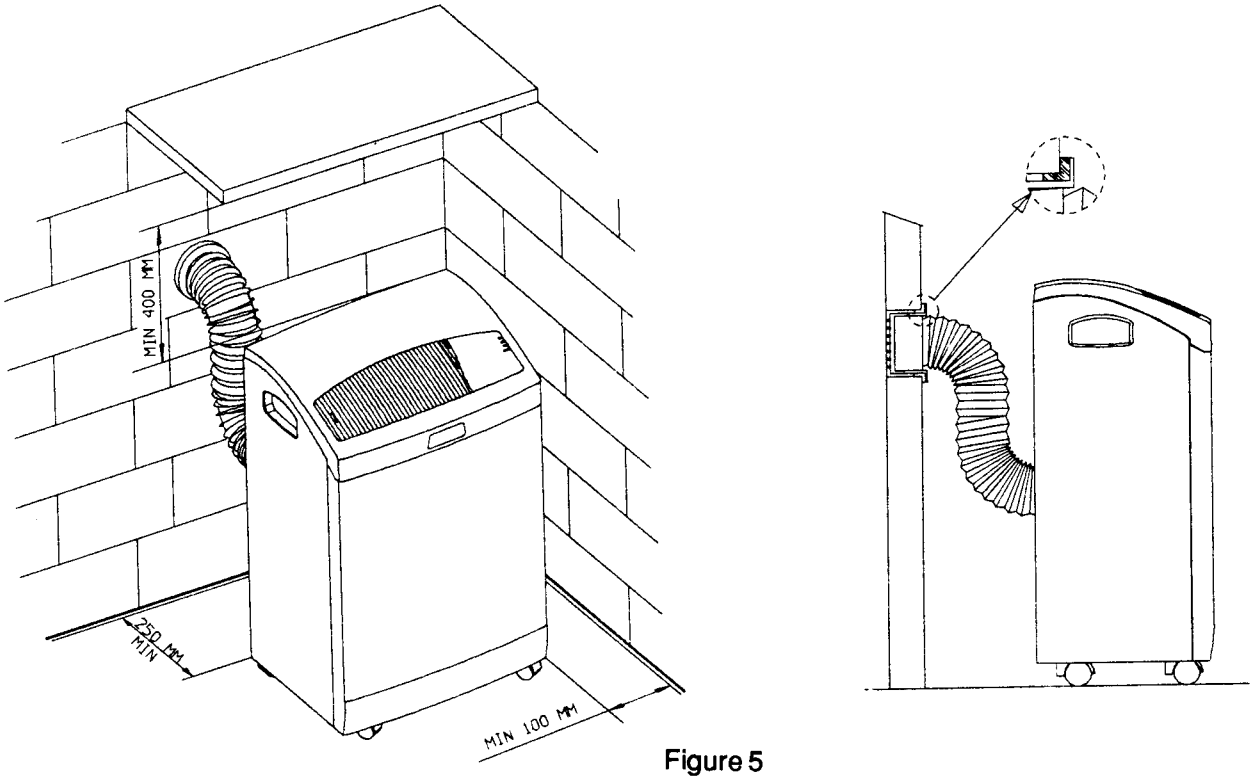


Figure 5

PROVISIONAL INSTALLATION

This method of installation does not require a permanent opening in the room. The exhaust hose is inserted through the gap of a slightly opened door or window. This allows the unit to be easily moved from room to room and re-installed within minutes.

Fit the window nozzle (4, Fig. 3) on the end of the exhaust hose and insert it through the opening of a door or a window. Use suction pads (3, Fig. 3) to hold the window in place. (Fig. 6)

WARNING: Make sure the unit is level

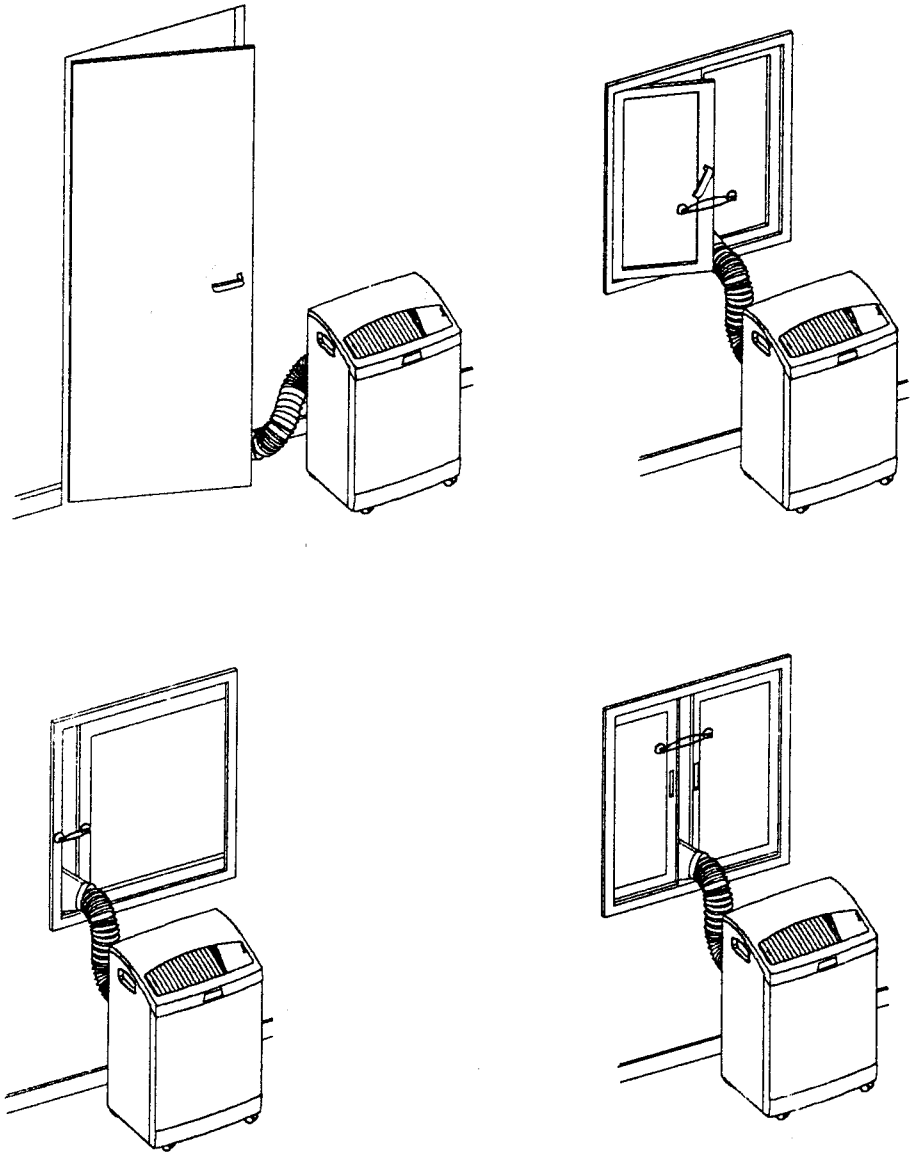


Figure 6

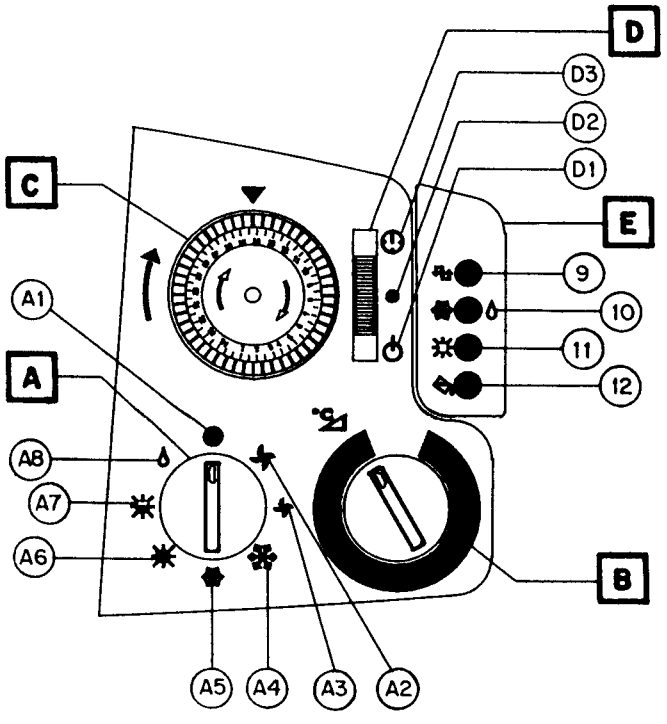
☐ OPERATION

ON-UNIT CONTROL AND DISPLAY PANEL

In order to obtain maximum comfort and economy, please make sure:

- Doors and windows of room to be conditioned are closed.
- Unit's outlet and inlet openings are obstruction-free.
- Shade the room from direct sun-rays and avoid excessive heat sources in the room.

A – Selector-switch knob
B – Temperature control knob
C – Timer - option
D – Timer switch - option
E – Indicators panel



Selector-switch position

A1. Off
A2 Fan only - high
A3. Fan only - low
A4. Cooling - high
A5. Cooling - low
A6. Heating - high
A7. Heating - low
A8. Dry

Timer switch-position

D1. Timer OFF (continuous run)
D2. Air conditioner OFF
D3. Timer ON

Indicators

9. Power ON indicator - green
10. Cooling/Dry indicator - green
11. Heating indicator - green
12. Overflow warning indicator - red

OPERATING PROCEDURE

- When the unit is connected to a power supply, indicator (9) lights up. This means that the unit is ready for operation.
- Plug in the unit to the power supply. Indicator (9) will light up. Move Timer switch D to D1 position.

Turning on the air conditioner

Turn the selector-switch knob (A) from OFF to any desired position.

Fan only operation (Ventilating)

Turn the selector-switch knob (A) to one of the following positions:

- High fan (A2)

- Low fan (A3)

Cooling operation

Turn the selector-switch knob (A) to one of the following positions:

- High cooling (A4)

- Low cooling (A5)

When the cooling mode is activated, indicator (10) will light up. It is recommended to use the High-cooling mode (A4) when fast drop in temperature is required, while the low-cooling mode (A5) should be used for normal-quiet operation to maintain the selected temperature.

Heating operation

Turn the selector-switch knob (A) to one of the following positions:

- High heating (A6).

- Low heating (A7).

When the heating mode is activated, indicator (11) will light-up.

Selecting the temperature

The desired temperature is selected by turning the temperature control knob (B).

If the temperature in the room is higher than desired, turn knob (B) clockwise to a new position.

If the temperature is lower than desired, turn knob (B) counterclockwise to a new position.

"Dry" operation

At high humidity conditions, turn selector-switch (A) to the "dry" position (8) to activate the dehumidifying mode. Indicator (10) will light up. At this mode, the fan will switch to low speed, the compressor will run continuously and the temperature will be regulated automatically by the thermostat, which will be switched on and off accordingly. Select suitable temperature.

NOTE: At extremely high humidity conditions, operating in cooling or "dry"mode, the water basin may fill up. Indicator (12) will turn-on. At this point the unit will stop. Turn the unit off, drain the water basin and then restart the unit to resume normal operation. To drain the water basin, place a pan under the drain tube and remove the drain tube plug (See Fig. 8).

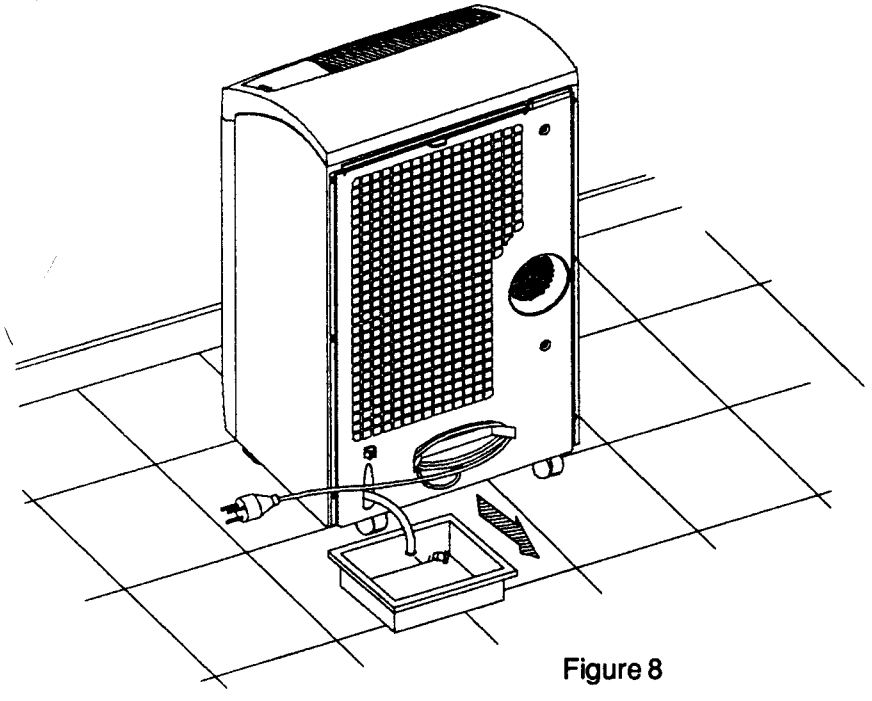


Figure 8

Dehumidifying operation

Important:

- At this mode the exhaust air is discharged into the room.
- The air conditioner must be connected to a permanent drain (See Fig. 7). Turn selector-switch (A) to activate the "dry" mode. Indicator (10) will light up.

In a prolonged dehumidification operation, expect a rise in room temperature.

Turning off the air conditioner

Turn selector-switch (A) to OFF position (A1). The power indicator (9) will remain on.

WARNING: Wait 5 minutes before restarting the cooling or dry modes, or selecting suitable temperature setting.

Timer (Optional)

To operate the timer, make sure that the unit is plugged-in and the power indicator (9) is lit.

When the timer switch (D) is in D1 position, the timer cannot be operated and the unit is operated directly by the selector switch (A).

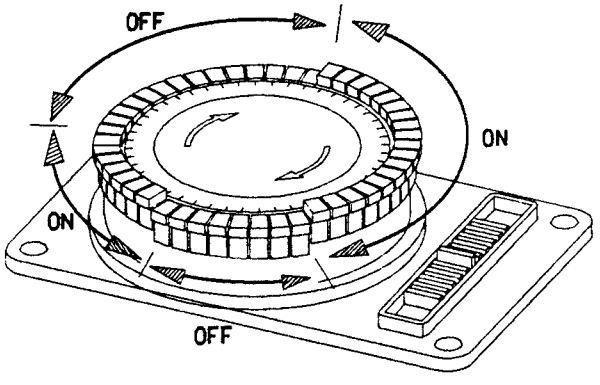
When the timer switch (D) is in D2 position, the air conditioner will be turned OFF; in this position it cannot be turned ON neither by switch A nor by the timer.

When the timer switch (D) is in D3 position, the unit will be turned ON and OFF by the timer.

The timer used in this air-conditioner is a "real time" type and must be preset before use. To do that turn the timer wheel clockwise until the number indicating the time of day matches the timer arrow.

The timer rim consists of 48 switching pins (30 minutes time interval per pin). When all the pins are pushed down, the unit will not operate. Pulling the pins up will cause the timer to turn on the unit at the time indicated by the pins.

Example: Timer setting



Operation of the unit will be at the mode selected by the selector-switch (A).

☐ MAINTENANCE

Cleaning the air filter (See Fig. 2) This filter is located at the rear of the air conditioner (6). Slide the filter up, pulling on the filter handle (5). Rinse the filter with tap water. Dry it and re-install it in its place. Clean at least once during the season, or as necessary.

☐ PRECAUTIONS

- This air conditioner has been manufactured in order to air condition domestic environments and should not be used for any other purpose.
- Do not obstruct the air discharge and inlet of the air conditioner.
- It is dangerous to make any changes or alterations in this air conditioner.
- Should repair be necessary, contact the nearest authorized service center. Unqualified servicing is dangerous.
- This air conditioner is to be used by adults only. Do not allow children to play with it.
- Always ground the unit.
- Make sure the unit is installed level.
- Before cleaning or maintenance operations, always disconnect the plug from the socket.
- Do not apply any strain on the power cord when moving the unit.
- The air conditioner should not be installed where the atmosphere could contain combustible gases, oil or sulphur, or near sources of heat.
- Do not put hot or heavy objects on the air conditioner.
- Clean air filter periodically.
- The air conditioner should be transported in an upright position. After transporting, wait at least one hour before switching it on.
- Move the unit with caution over carpets and rugs.
- In fixed installation, the air discharged through the exhaust hose has been removed from the room. Make sure the room is not airlight.
- Lighting up of the red indicator may be a warning against a condensate pan full of water. Turn the unit off, drain the water, then restart the unit to resume normal operation.
- In case of damage to the power cord, it should be replaced or repaired by an authorized technician.

☐ TROUBLESHOOTING

Consult the following troubleshooting check-list whenever the unit does not function properly. Should this fail to remedy the malfunction, contact your nearest authorized service center for qualified assistance.

PROBLEM	CAUSE	SOLUTION
The unit does not function.	– power failure	– check fuse
	– plug is disconnected	– insert plug
	– Timer switch in OFF position (D2)	– switch to D1
Unit functions for only brief periods in cooling, or dry mode.	– improper thermostat setting	– decrease thermostat setting
Water overflow indicator lights up.	– condensate basin full	– empty unit
Unit functions but does not cool.	– window open	– close window
	– source of heat in room (cooker, etc) or room is overcrowded with people	– remove source of heat
	– thermostat setting is too high	– lower thermostat setting
	– air filter blocked	– clean filter
	– air conditioner capacity is unsuitable for the room size or conditions	– consult your supplier
	– loss of refrigerant	– call service center
	– room tightly closed	– slightly open window or outside door
	– exhaust hose blocked, twisted or bent	– remove obstruction
Unit does not heat.	– thermostat setting too low	– reset thermostat
	– heating element burned	– call service center
Dehumidification overflow indicator lights up.	– Condensate Pan full of water	– Drain the water through the rear tube

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